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ER-11-8040

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✓  
*card*  
Mr. E. W. Paxson  
Assistant Director (Tactical Weapons)  
Defense Research and Engineering  
Department of Defense  
Washington 25, D. C.

Dear Mr. Paxson:

We have now had an opportunity to study the Report, "Application of Manned Aircraft and Guided Missiles to Limited War."

Since the Report gives recommendations for aeronautical and related developments, but necessarily does not concern itself with the details of any particular project, it is, of course, difficult for us to do much more than indicate our interest in certain of the recommendations made. Among those developments that will be of continuing interest to us are the V/STOL aircraft (paragraph 1.3.1.), monobath film processing and light intensifiers (1.3.2(1)(f), coded beacon system (1.3.3(4), and scatter communications link (1.3.3(5)). Additionally, small microwave relay links would be of value. We also believe firmly that research and study on all types of sensors (1.3.3(6)) would be useful in limited-war and other circumstances. We agree that side-looking radar for reconnaissance purposes and infra-red systems should be developed. There appears to be a definite need for a radar navigation set of the type mentioned in the Report (1.3.2(1)(d)), particularly if one can be built to weigh less than 100 pounds.

Your transmittal letter of 20 August asked for comments on the concept of the Report. I might note, in this connection, that the Report seems to be concerned with the technical feasibility of various kinds of hardware without reference to the technical environment in which the hardware might be employed. Perhaps my point may be illustrated by referring to the treatment of the V/STOL aircraft. This aircraft would appear to us to be highly useful in a hostile situation involving comparatively primitive opposition forces. It would become progressively less useful, however, if the sophistication of the

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opposition forces increased to a point where they had early warning/ground control intercept radars and fire control equipment of a type known to be possessed by the Soviets. Although factors of this nature may not have been part of the charter of the Ad Hoc Group, I assume common-sense reports have taken them into account.

I understand that arrangements are currently being made for you to get together with several of our people to discuss mutual problems and fields of interest. I am sure this will afford an opportunity for more thorough discussion of the Report. I very much appreciate your sending it to us.

Sincerely,

C. P. Cabell  
General, USAF  
Acting Director

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DD/P: [ ] 1 Oct 59  
Retyped: O/DCI 2 Oct 59

Distribution:

Orig & 1 - Addressee  
1 - DCI  
1 - DDCI  
-1 - ER  
2 - DD/P w/basic & encl [ ]

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MEMORANDUM FOR: General Cabell: K-

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Your attention is invited to the fact  
that  acknowledged receipt of  
Mr. Paxson's letter. (See attached interim  
reply.)

AAB

2 October 59  
(DATE)

FORM NO. 101 REPLACES FORM 10-101  
1 AUG 54 WHICH MAY BE USED.

(47)

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MEMORANDUM FOR:

Assistant to the Director

**SUBJECT:**

# Transmittal of Comments on "Application of Manned Aircraft and Guided Missiles to Limited War"

1. Transmitted herewith is a suggested letter for the Director to send to Mr. Paxson in response to the latter's letter of 20 August forwarding subject Report.

2. The attached letter is a synthesis, or rather accumulation, of the comments of OSI, TSS and DPD. The slightly critical (I hope constructive) tone of the third paragraph of the proposed letter was authored by OSI. I am retaining the originals of the comments of the contributing components but will, of course, send them to you if you so desire.

3. The reference to Mr. Paxson getting together with some of our people concerns some arrangements being made by [ ] of TSS.

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Assistant to the DD/P

## ATTACHMENTS

## Subject Report

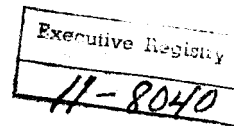
Proposed Letter to Mr. Paxson

FOIA b 7 - (D)  
 NO DUPLICATION FEE  
 DATE: 10/2/81  
 TO: SAC  
 FROM: SAC  
 SUBJECT: [redacted]  
 DATE: 10/2/81  
 BY: [redacted]

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Mr. E. W. Paxson  
Assistant Director (Tactical Weapons)  
Defense Research and Engineering  
Department of Defense

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*Handwritten notes and signatures:*  
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Dec 2  
Signature

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Sincerely,

Allen W. Dulles  
Director

cc: DDCI

Signature Recommended:

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Deputy Director/(Plans)

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(1 October 59)

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Distribution:

Orig. & 1 - Addressee

2 - DCI

3 - DD/P (Reading, Subject, Chrono)